



Glenn Research Center



CGEL-2 Photos of Samples 5 and 6

- Both CGEL-2 samples are binary colloidal alloys meaning they are made up of particles of 2 different diameters.
- The only difference between these samples is that sample 5 has a slightly greater number of particles (higher volume fraction) than sample 6.
- To a point, concentration tends to drive crystal growth.
 - If there are too few particles they tend to be far away from each other and never get close enough to form a crystal structure.
 - If there are too many particles, they are packed up against each other and can't move. They cannot form the ordered structure which defines a crystal.